

Problem Description | Version 2.0

Health Application

In a hectic life, where every hour flows like a breeze, not everyone has the time to take time out to look into their health, and the adverse effects stress has on our health. The best way to keep track of health would be to utilise something that is not a bother to carry around, that can be included into our lives like the air we breathe. Like the smartphones we carry about everyday.

Much of our lives are dependent on these so-called smartphones that keep a track of a lot of things you never thought could be tracked. And it can help monitor much more than just that.

Not only do we have smartphones, we are bringing technology into many aspects of life: clothing, footwear, our places of residence. Everyone possessing a smartphone has a data set of their health spanning a long time period.

Health apps also store raw data that can be further processed to make better reports. These reports can also collect raw data which can be sent to doctors sitting around the globe, making the world a smaller place. Mobile health applications are one aspect of electronic health that are pushing the limits of how to acquire, transport, store, process, and secure the raw and processed data to deliver meaningful results. They offer the ability of remote individuals to participate in something called a healthcare value matrix. The ability to collect and analyze data in such large volumes was something that was not possible in the past. Mobile technology and the internet enable us to gather data of users sitting remotely, collecting information on whether the health care services are proving to be useful or not.

Current health applications.

Most of them are not worth their money. Some of them rock. But we're here and we'll do this B|

Well makee tech that improves your health significantly, it'll monitor your water drinking rate and stress and blood pressure and what not.

Ah just kidding. We're going to make a database that doesn't function. :D :D

So here goes.

Wearable Tech and What it does

Isn't it self explanatory? Isn't it it just so easy to understand through the titles what exactly we want? It isn't? Oh. Here let me explain. It's stuff that you wear that aids in health monitoring. There. Enough said. Google more if required, but definitions are definitions.

Oh wait. Let me put in some fancy words. Biometrics. Blazing fast multi processing quantum eye lens working on distributed system in the realms of reality enabling eye protection through fluid injection and internet monitoring.

Apps aimed towards

For the rich. For convincing the world they're helping the poor by making affordable gadgets and adding to their karma a list of good deeds. Huh. Crap. Its just to earn a name. A reputation as a modern day poor helping Gandhian.

It is also for those who don't have medical facilities available first hand. For example NASA scientists floating in the atmosphere of the universe (Haha). Someone has to monitor their health right? Someone! So here's the someone. Our tech. We're going to name it Miip. How cool :D

Miip is a character based health monitoring system, just like in the movie Big Hero 6 where they cute big balloon like creature helps monitor vital health stats and takes care of you when in need. And responds to calls of 'Ouch?'

That's who we're aiming for. Precisely that.

The information that we can store and the app can provide

Well. You would have guessed we're not going to implement any of this. So.

The sky's the limit! We're going to be implementing all sorts of amazing fancy future tech, promising things no one could ever possibly promise in this age of the world. So here's the list :D

1. Height, weight, age, sex (in case it happens to change over time), other important physical measurements like foot size, finger size, ring finger size, and of course all the other sizes that matter.
2. Then we'll monitor all that you eat. Literally everything that you eat. The amount of water that you drink, the fats that you consume, your eating habits and

patterns, and even your alcohol and drug consumption. When I say everything, I mean everything.

3. Sleep. It's essential. We're monitoring that. That'll help us tell you if you sleep too much, sleep too little, and possibly who you sleep with, how many people you've slept with, and the number of hours you actually slept with them. Not kidding. This is the future, and we're here.
4. Work done. Remember how we used to calculate work done in our physics class in 12th? Well we're doing exactly that. We're calculating the exact amount of work you do. The force you apply, the distance you cover. How much you run, where you run to, who you run with. Complete invasion of privacy. But eh, all for health monitoring right? :D
5. Emergency contact numbers. Did you not know we already had all of that data? Your location, your friends, who you call up most and who you don't.

Drawbacks of existing applications

Man. Everything! We're in the future remember! I wonder how SQL survived this long. But meh, here's a list of the drawbacks of existing apps.

You feed it data. It doesn't actually monitor you. You tell it how much you ate for dinner. It confirms whether you slept from this time to that time. It just assumes, it's not very sure. It cannot possibly know your stress levels and keep a track of your eyes all the time. That would hurt your eyes.

Plus. The biggest issue is that of privacy invasion. A healthcare app like this one means we know everything about you. We know your exact life history, your medical history, who you meet, who you spend most time with, where all you've been and what all you've done. How much exercise you do, and how much you laze. Google is the only company to be known to be able to do so, though not sure if they'll ever reach out to the public and declare dictatorship and rule over the entire planet and its citizens.

Not sure if we'll ever hack you to death, but no promises no one else who steals our database won't. We regret the inconvenience caused. U_U

WorldWide Research So Far

The world is still in its research mode, and always will be. We made the internet possible just 30 years ago, so there is lots to be done. Lots. So here's what's happened so far. Bear with me during the first couple of points, I'll reach to what I want to say in some time.

1. Well. Earth was formed. No one knows how so far, but there's research going on there. There's a small theory called the Big Bang Theory. So we'll assume it just came with a boom. Or a bang. Whatever you prefer. Tch.
2. Bacteria -> small plants and insects -> small animals + fish -> monkeys -> apes -> HUMANS!
3. Plants and Jadi bootian are our early interests in medicine and self cure. We also start something called yoga.
4. Forward to 1900s, Internet was created. Yes the thing that's both ruining this planet, and keeping it alive. If it wasn't for the internet, I wouldn't be writing this over here, we'd probably be doing something involving tree cutting and plant growing. So. Internet.
5. People start worrying about their health on the onset of the internet. We're becoming lazy couch potatoes, and not using the couch the way it should. Self-aware and self-destructive. So we create medicines. We start curing ourselves by sipping a glass of water with lots of pills. Not cool.
6. Bacteria starts to fight. We beat them first. They evolve. They beat us. More disease, more HIV, less sex. Poor Charlie Sheen. We make more medicines, they make more bacteria. It's a fight and one that will continue with nature finally defeating us. Survival of the fittest.
7. So we come up with a plan. If you've seen one of Tom Cruise's movie, I keep forgetting its name, you'll know how the virus 'they're fighting against goes in the future and knows exactly how the humans will try to kill it. We apply the same logic. We start health monitoring. Arrive. Health gadgets and monitoring to kill bacteria.
8. We monitor the exact movement of bacteria, the exact health symptoms we face once the bacteria starts to act upon us. Were so invasive, we not only know what the person is doing, we even know what the bacteria within you is doing B| Thats levels of technology.
9. So thats the research were at so far.
10. A tenth point to sum it all up. Bacteria will defeat us in the end, no matter what.

Things to do and Project Roadmap

Well. Since this is a project in the future, we first need to be in the future.

So step 1 is to build a time machine.

Step 2, make a dbms project report, with its SRS, valid SQL tables that does exactly what we've written in this project report. :D

Citations

Valid citations:

- [1] Leonardo DaVinci, Paper on time machine, 1750.
- [2] <http://www.da-vinci-inventions.com/>
- [3] <http://www.webopedia.com/TERM/A/API.html>
- [4] <http://searchsecurity.techtarget.com/definition/biometrics>
- [5] <http://disney.wikia.com/wiki/Baymax>

Some more citations:

- [1] Bugjuice, B., Timm, T. and R. Cratchet. 1990. The role of estrogen in mouse courtship behavior changes as mice age. J Physiol 62(6):1130-1142.
- [2] Cratchet, R., Bugjuice, B. and T. Timm. 1994. Estrogen, schmestrogen!: Mouse (*Mus musculus*) as a dietary alternative for humans. J Nutrition 33(6):113 -114.
- [3] Timm, T. and B. Bugjuice. 1989. The role of whisker length in mouse.....nose-twitch courtship behavior. J Physiol 61(3):113-118